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IN THE CLAIMS:

Please amend claim 17 as follows:

Claims 1-3 (Cancelled).

4. (Previously Presented) A method for purifying used oil, comprising:

mixing a raw used oil with a base compound to form a mixture comprising used oil and base compound;

processing the mixture comprising used oil and base compound to provide an at least partially dehydrated used oil mixture comprising used oil and base compound;

adding a phase transfer catalyst to the at least partially dehydrated used oil mixture comprising used oil and base compound to provide a used oil mixture comprising used oil, phase transfer catalyst, and base compound, wherein the phase transfer catalyst comprises a glycol; and

removing contaminants from at least a portion of the used oil mixture comprising used oil, phase transfer catalyst, and base compound.

- 5. (Cancelled).
- 6. (Previously Presented) The method of claim 4, wherein the phase transfer catalyst comprises ethylene glycol.
- 7. (Previously Presented) The method of claim 4, wherein removing contaminants from at least a portion of the used oil mixture comprising used oil, phase transfer catalyst, and base compound comprises distilling the used oil mixture at a temperature of about 200°C to about 275°C and a pressure of about 100 torr to about 200 torr.
- 8. (Previously Presented) The method of claim 4, wherein removing contaminants from at least a portion of the used oil mixture comprising used oil, phase

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transfer catalyst, and base compound comprises distilling the used oil mixture at a temperature of about 275°C to about 300°C and a pressure of about 0.05 torr to about 0.2 torr.

- 9. (Previously Presented) The method of claim 4, wherein removing contaminants from at least a portion of the used oil mixture comprising used oil, phase transfer catalyst, and base compound comprises distilling the used oil mixture at a temperature of about 200°C to about 300°C and a pressure of about 0.05 torr to about 200 torr.
- 10. (Cancelled).
- 11. (Previously Presented) The method of claim 4, wherein the base compound is an inorganic or organic base compound.
- 12. (Previously Presented) The method of claim 11, wherein the inorganic base compound is selected from the group consisting of sodium hydroxide, potassium hydroxide, and combinations thereof.
- 13. (Previously Presented) The method of claim 4, wherein the used oil mixture comprising used oil, phase transfer catalyst and inorganic base compound comprises of from about 1% to about 10% by weight of the phase transfer catalyst.
- 14. (Cancelled).
- 15. (Cancelled).
- 16. (Previously Presented) The method of claim 4, wherein the used oil comprises motor oil.

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17. (Currently Amended) A method for removing contaminants from a used petroleum distillate, comprising:

mixing a raw used petroleum distillate <u>with</u> a base compound to form a mixture comprising used petroleum distillate and base compound;

processing the mixture comprising used petroleum distillate and base compound to provide an at least partially dehydrated used petroleum distillate mixture comprising used petroleum distillate and base compound;

adding ethylene glycol to the at least partially dehydrated used petroleum distillate mixture comprising used petroleum distillate and base compound to provide a used petroleum distillate mixture comprising used petroleum distillate, ethylene glycol, and base compound; and

removing the contaminants from at least a portion of the used petroleum distillate mixture comprising used petroleum distillate, ethylene glycol, and base compound using means for distillation.

- 18. (Previously Presented) The method of claim 17, wherein the used petroleum distillate comprises motor oil.
- 19. (Previously Presented) The method of claim 17, wherein removing contaminants from at least a portion of the used petroleum distillate mixture comprising used petroleum distillate, ethylene glycol, and base compound comprises distilling the used petroleum distillate mixture at a temperature of about 200°C to about 275°C and a pressure of about 100 torr to about 200 torr.
- 20. (Previously Presented) The method of claim 17, wherein removing contaminants from at least a portion of the used petroleum distillate mixture comprising used petroleum distillate, ethylene glycol, and base compound comprises distilling the used petroleum distillate mixture at a temperature of about 275°C to about 300°C and a pressure of about 0.05 torr to about 0.2 torr.

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- 21. (Previously Presented) The method of claim 17, wherein removing contaminants from at least a portion of the used petroleum distillate mixture comprising used petroleum distillate, ethylene glycol, and base compound comprises distilling the used petroleum distillate mixture at a temperature of about 200°C to about 300°C and a pressure of about 0.05 torr to about 200 torr.
- 22. (Previously Presented) The method of claim 17, wherein the used petroleum distillate mixture comprising used petroleum distillate, ethylene glycol, and inorganic base compound comprises of from about 1% to about 10 % by weight of ethylene glycol.
- 23. (Cancelled).
- 24. (Cancelled).
- 25. (Previously Presented) A method for removing contaminants from used oil, comprising:

mixing used oil with ethylene glycol in the presence of a base compound to provide a used oil mixture comprising used oil, ethylene glycol and base compound; and

distilling the used oil mixture comprising used oil, ethylene glycol and base compound at a temperature of about 200°C to about 300°C and a pressure of about 0.05 torr to about 200 torr.

- 26. (Previously Presented) The method of claim 25, wherein the base compound comprises an inorganic compound.
- 27. (Previously Presented) The method of claim 26, wherein the inorganic base compound is selected from the group consisting of sodium hydroxide, potassium hydroxide, and combinations thereof.

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- 28. (Previously Presented) The method of claim 25, wherein the used oil mixture comprising used oil, ethylene glycol and base compound comprises of from about 1% to about 10% by weight of the ethylene glycol.
- 29. (Cancelled).
- 30. (Cancelled).
- 31. (Previously Presented) A method for removing contaminants from used meter oil, comprising:

mixing used oil with an inorganic base compound to provide a used oil mixture comprising used oil and inorganic base compound;

mixing the used oil mixture comprising used oil and inorganic base compound with a phase transfer catalyst to provide a used oil mixture comprising used oil, phase transfer catalyst and inorganic base compound, wherein the phase transfer catalyst comprises a glycol; and

distilling the used oil mixture comprising used oil, phase transfer catalyst and inorganic base compound at a temperature of about 200°C to about 275°C and a pressure of about 100 torr to about 200 torr to remove at least a portion of the phase transfer catalyst, providing a distilled used oil mixture.

- 32. (Previously Presented) The method of claim 31, wherein the inorganic base compound is selected from the group consisting of sodium hydroxide, potassium hydroxide, and combinations thereof.
- 33. (Cancelled).
- 34. (Previously Presented) The method of claim 31, wherein the phase transfer catalyst comprises ethylene glycol.

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- 35. (Previously Presented) The method of claim 31, further comprising distilling the distilled used oil mixture at a temperature of about 275°C to about 300°C and a pressure of about 0.05 torr to about 0.2 torr.
- 36. (Previously Presented) The method of claim 31, wherein the used oil mixture comprising used oil, phase transfer catalyst and inorganic base compound comprises of from about 1% to about 10% by weight of the phase transfer catalyst.
- 37. (Cancelled).
- 38. (Cancelled).
- 39. (Previously Presented) The method of claim 4, wherein a concentration of the base compound in the used oil mixture comprising used oil and base compound is between 0.5 weight percent and 5 weight percent on a dry weight basis.
- 40. (Previously Presented) The method of claim 17, wherein a concentration of the base compound in the used petroleum distillate mixture comprising used petroleum distillate and base compound is between 0.5 weight percent and 5 weight percent on a dry weight basis.
- 41. (Previously Presented) The method of claim 25, wherein a concentration of the base compound in the used oil mixture comprising used oil, ethylene glycol and base compound is between 0.5 weight percent and 5 weight percent on a dry weight basis.
- 42. (Previously Presented) The method of claim 31, wherein a concentration of the inorganic base compound in the used oil mixture comprising used oil and inorganic base compound is between 0.5 weight percent and 5 weight percent on a dry weight basis.

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